

#### ABSTRACT OF THE DISCLOSURE

This invention provides organism-compatible materials with combined extracellular matrices, which have high affinity with cells of organisms and are capable of hastening cell differentiation, and their production methods. An organism-compatible material with combined extracellular matrices is produced by letting cells of a region of an organism, to which the material is to be applied, form extracellular matrices on a calcification layer formed on a base. When it is applied to the region of the organism, it causes the migration, proliferation, and differentiation of necessary cells to reproduce a necessary tissue quickly.